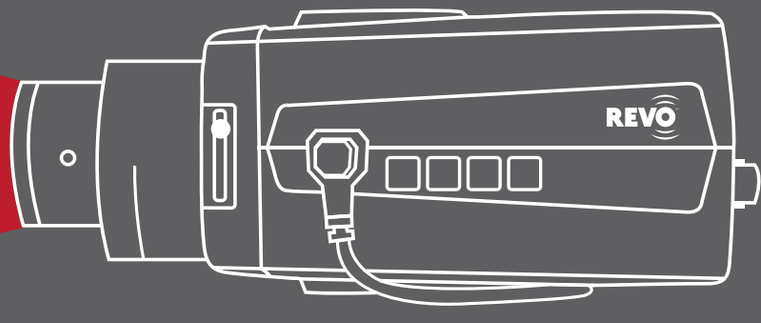
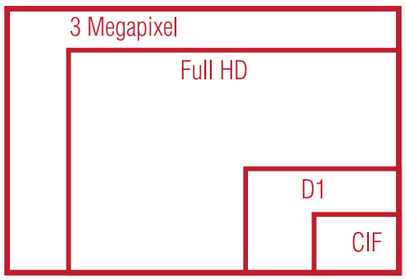
PROFESSIONAL SECURITY SYSTEMS

2014 Products

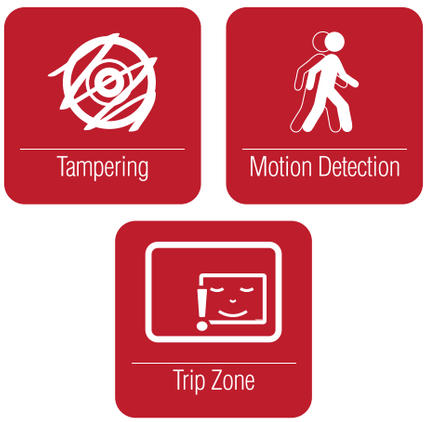


REVO™



3Megapixel & Full High Definition (2 Megapixel) Resolution

3Megapixel is 1.5 the Full High definition (HD) cameras while Full HD cameras provide up to 5 times higher resolution compared to standard D1 resolution cameras. Therefore, one HD camera can replace 3 to 4 standard cameras which can significantly reduce the total installation cost. In addition, the 16:9 wide screen format provides much wider coverage than standard 4:3 cameras which makes it possible to cover wider areas with one Megapixel cameras.



Video Analytics

Video Analytics on IP cameras include:
Motion Detection which detects when a change has occurred in predefined areas within the field of view,
Trip Zone / Enter / Exit functions which detect if a breach has occurred in a predefined area and Tampering Detection which automatically alarms when a camera is disrupted.

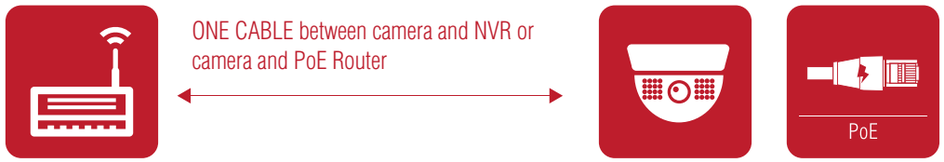
Dual Codec & Multiple Streaming

REVO IP Cameras support H.264/MJPEG dual codec and multiple streaming capabilities. Users can select the relevant codec to suit their individual requirements such as real time monitoring, high quality or high efficiency recording, mobile monitoring and email notifications.

1920x1080 15fps — Recording/Back Up
1280x720 15fps — Monitoring/ Control
720x480 15fps — Monitoring on Smartphone

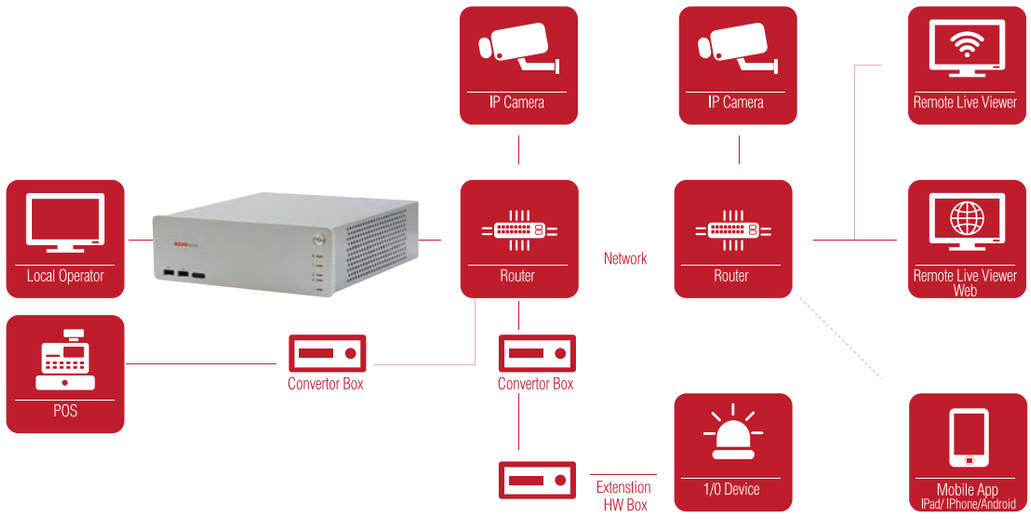
Installation Cost Savings with PoE, Plug & Play Applications

PoE (Power over Ethernet) refers to a technology that allows IP devices to receive power over existing LAN cabling. PoE eliminates the need for a separate power source thus simplifying the installation.
The technology is space-saving and allows devices to receive power and data over existing infrastructures without the need to upgrade them.



NVR Full Capability

REVO NVR can be connected to Alarms, microphones and speakers to compose a full system. Records playable and exportable locally and over network as well.



RIPP30-2P

3Megapixel Fisheye Dome

KEY FEATURES

- 3Megapixel Resolution supported
- Real-time multi streaming @ Full HD
- 182° angle View with fisheye (360°), panoramic & quad views
- Supports Micro SD card

Image

Image Sensor	1/2.8" Exmor CMOS, Progressive Scan
Compression	H.264, MPEG4, MJPEG
Day & Night	ICR
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	2048x1536 (QXGA), Full-HD, SXGA, HD, D1, VGA, CIF, QVGA
Frame Rate	3MP : 20fps @ 2048x1536, Full-HD: 30fps @ 1920x1080
Lens	0.98mm(Short Axis) ~ 1.12mm(Long Axis), Fixed
Angle of view	182°H x 182°(V)
WDR	D-WDR (Wide Dynamic Range)

Interface

Video Out	3.5mm Stereo Jack
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Image Effect	Flip, Mirror
Flicker free Mode	60Hz/50Hz Selectable
Digital Zoom	1x ~12x
Privacy Masking	Yes
Event Notification	E-mail, FTP, HTTP Server
Multi-View Streaming	360° Overview, Panoramic, Double Panoramic, Quad View

Network

Max. Connections	10 (Live), 3 (Playback)
Protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, QoS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf, Bonjour
System	Network Time Sync, NAS Support, Import / Export Settings, Upgrade, Zero Configuration
Remote Access Client	Web, NC-Titanium, SmartManager, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	12VDC 350mA(4.2W), PoE 100mA(4.2W)

General

Operating Temperature	-10° C ~ 50° C
Dimensions	ø119 x 64.6H mm

RIXN30-1P

3Megapixel Box Camera

KEY FEATURES

- 3Megapixel Resolution supported
- Real-time multi streaming @ Full HD
- Optional Megapixel lens included
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MPEG4, MJPEG
Day & Night	ICR
Min. Illumination	0.2Lux, BW: 0.2Lux(F1.2)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	2048x1536 (QXGA), Full-HD, HD, D1, 2CIF, VGA, CIF, QVGA
Frame Rate	3MP : 20fps @ 2048x1536, Full-HD: 30fps @ 1920x1080
Lens	C/CS Mount
WDR	D-WDR (Wide Dynamic Range)

Interface

Audio In/Out	1/1
Alarm In/Out	1/1
RS485	RS485
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Remote Focus	Smart Focus
Privacy Masking	Yes
Easy Remote Control	Yes (AD Key)
Pre-recorded Voice Alert	Yes (3files)

Network

Max. Connections	10
Protocols	IPv4/IPv6, Manual, TCP/IP, UDP, HTTP, RTP, RTSP, NTP, DHCP, SMTP, DDNS, HTTPS, RTCP, FTP, Bonjour
DDNS	Yes
System	Network Time Sync, NAS Support, JPEG Push, Import / Export Settings, Upgrade, Zero Configuration
Remote Access Client	Web, NC-Titanium, SmartManager, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF)

Electrical

Power Source	PoE (802.3af), 12VDC, 24VAC
Power Consumption	3.5W

General

Operating Temperature	-10°C ~ 50° C
Dimensions	68H x 81.6W x 123.1D mm

Shown with Optiona Lens

RIXN20-4P

2Megapixel Box Camera

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- Optional Megapixel lens included
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.1 lux
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	C/ CS Mount
WDR	D-WDR (Wide Dynamic Range)

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Audio Detection	Yes (Optional)
Video Analytics	Yes (Tampering, Trip Zone)
Event Buffering	Yes (Pre and Post, up to 60M)
Triple Streams	Live, Recording & Multi-view
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes (Optional)
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes (Optional)
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer, Mobile App
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	7.8W

General

Operating Temperature	0°C ~ 50°C
Dimensions	58mmW x 52mmH x 123mmD
Approval	FCC, CE

Shown with Optiona Lens

RIPP30-1P

3Megapixel IR Bullet Camera

KEY FEATURES

- 3Megapixel Resolution supported
- Real-time multi streaming @ Full HD
- 32 IR LEDs, IP67 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MPEG4, MJPEG
Day & Night	ICR
Min. Illumination	0.2Lux, BW: 0.01Lux(F1.2)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	2048x1536 (QXGA), Full-HD, SXGA, HD, D1, VGA, CIF, QVGA
Frame Rate	3MP : 20fps @ 2048x1536, Full-HD: 30fps @ 1920x1080
Lens	3.0mm ~ 9mm, F1.2 Motorized
WDR	Yes (Digital WDR)
IR LEDs	32, Range: 25m

Interface

Video Out	1 PIN Jack Style
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Privacy Masking	Yes

Network

Max. Connections	10
Protocols	IPv4/IPv6, Manual, TCP/IP, UDP, HTTP, RTP, RTSP, NTP, DHCP, SMTP, DDNS, HTTPS, RTCP, FTP, Bonjour
DDNS	Yes
System	Network Time Sync, NAS Support, JPEG Push, Import / Export Settings, Upgrade, Zero Configuration
Remote Access Client	Web, NC-Titanium, SmartManager, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	7W

General

Operating Temperature	-10° C ~ 50° C -30° C ~ 50° C (with Heater)
Ingress Protection	IP67
Dimensions	98.4W x 168.5H x 284Dmm

RIPP20M-1P

2Megapixel IR 18x Zoom Bullet Camera

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- 40 Built-in and side IR LEDs, IP67 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.5lux, B/W: 0Lux (IR ON)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	18x AF Zoom 4.8~86.4mm
WDR	75dB (90dB@Digital WDR)
IR LEDs	40, Range: 50m

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Audio Detection	Yes
Video Analytics	Yes (Tampering, Trip Zone)
Event Buffering	Yes (Pre and Post, up to 60M)
Triple Streams	Live, Recording & Multi-view
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	24W

General

Operating Temperature	0°C ~ 50°C
Ingress Protection	IP67
Dimensions	242mmW x 195mmH x 285mmD
Approval	FCC, CE

RIPP20-2P

2Megapixel IR Bullet Camera

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- 42 IR LEDs, IP67 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.5lux, B/W: 0Lux (IR ON)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	2.8~10mm Varifocal
WDR	75dB (90dB@Digital WDR)
IR LEDs	42, Range: 40m

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Audio Detection	Yes
Video Analytics	Yes (Tampering, Trip Zone)
Event Buffering	Yes (Pre and Post, up to 60M)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	7.8W

General

Operating Temperature	0°C ~ 50°C
Ingress Protection	IP67
Dimensions	95mmW x 80mmH x 265mmD
Approval	FCC, CE

RIPP20-3P

2Megapixel IR Bullet Camera

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- 56 IR LEDs, IP67 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.9" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.5lux, B/W: 0Lux (IR ON)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	6mm, Fixed-Focal Lens
WDR	75dB (90dB@Digital WDR)
IR LEDs	56, Range: 50m

Interface

Video Out	1 Terminal Block
Audio In/Out	1/1 (Optional)
Alarm In/Out	1/1 (Optional)
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Audio Detection	Yes (Optional)
Video Analytics	Yes (Tampering, Trip Zone)
Event Buffering	Yes (Pre and Post, up to 60M)
Triple Streams	Live, Recording & Multi-view
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes (Optional)
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes (Optional)
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	7.8W

General

Operating Temperature	0°C ~ 50°C
Ingress Protection	IP67
Dimensions	100mmW x 100mmH x 210mmD
Approval	FCC, CE

RIVD30IR-1P

3Megapixel IR Vandal Dome Camera

KEY FEATURES

- 3Megapixel Resolution supported
- Real-time multi streaming @ Full HD
- 24 IR LEDs, IP66 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MPEG4, MJPEG
Day & Night	ICR
Min. Illumination	0.2Lux, BW: 0.01Lux(F1.2)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	2048x1536 (QXGA), Full-HD, SXGA, HD, D1, VGA, CIF, QVGA
Frame Rate	3MP : 20fps @ 2048x1536, Full-HD: 30fps @ 1920x1080
Lens	3.0mm ~ 9mm, F1.2 Motorized
WDR	Yes (Digital WDR)
IR LEDs	24, Range: 20m

Interface

Video Out	1 PIN Jack Style
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Remote Focus	Smart Focus
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes (3files)

Network

Max. Connections	10
Protocols	IPv4/IPv6, Manual, TCP/IP, UDP, HTTP, RTP, RTSP, NTP, DHCP, SMTP, DDNS, HTTPS, RTCP, FTP, Bonjour
DDNS	Yes
System	Network Time Sync, NAS Support, JPEG Push, Import / Export Settings, Upgrade, Zero Configuration
Remote Access Client	Web, NC-Titanium, SmartManager, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF)

Electrical

Power Source	PoE (802.3af), 12VDC, 24VAC
Power Consumption	7W

General

Operating Temperature	-10° C ~ 50° C -30° C ~ 50° C (with Heater)
Ingress Protection	IP66
Dimensions	ø152 x 120mmH

Available without IR and/or with indoor housing

RIVD20MIR-1P

2Megapixel IR Vandal Dome

Full High Definition | IR LEDs | SD Card Storage | PoE | IP67 Weather Proof

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- 28 IR LEDs, IP67 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.5lux, B/W: 0Lux (IR ON)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	3.3~10mm Motorized, F1.3
WDR	75dB (90dB@Digital WDR)
IR LEDs	28, Range: 30m

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Audio Detection	Yes
Video Analytics	Yes (Tampering, Trip Zone)
Event Buffering	Yes (Pre and Post, up to 60M)
Triple Streams	Live, Recording & Multi-view
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	6.3W

General

Operating Temperature	0°C ~ 50°C
Ingress Protection	IP67
Dimensions	ø100mmx 100mmH
Approval	FCC, CE

RIVD20IR-3P

2Megapixel IR Vandal Dome

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- 28 IR LEDs, IP67 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.5lux, B/W: 0Lux (IR ON)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	2.8~10mm Varifocal lens
WDR	75dB (90dB@Digital WDR)
IR LEDs	28, Range: 30m

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Live, Recording & Multi-view
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	6.3W

General

Operating Temperature	0°C ~ 50°C
Ingress Protection	IP67
Dimensions	ø150mmx 100mmH
Approval	FCC, CE

RIVD20-4P

2Megapixel Wireless Vandal Mini Dome

KEY FEATURES

- Real-time multi streaming @ Full HD
- IP65 Mini size Vandal Housing
- Wireless or wired network connection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Min. Illumination	0.2Lux
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	Full-HD, SXGA, HD, D1, VGA, CIF, QVGA
Frame Rate	30ips @ 2MP (1920x1080)
Lens	3.7mm Fixed

Interface

Video Out	1 Phone Jack Style
Audio In/Out	Built-In MIC/ 1
Alarm In/Out	1/1
Wi-Fi	Built-in IEEE 802.11b/g/n WLAN
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Remote Focus	Auto Focus
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes (3files)

Network

Max. Connections	10
Protocols	IPv4/IPv6, Manual, TCP/IP, UDP, HTTP, RTP, RTSP, NTP, DHCP, SMTP, DDNS, HTTPS, RTCP, FTP, Bonjour
DDNS	Yes
System	Network Time Sync, NAS Support, JPEG Push, Import / Export Settings, Upgrade, Zero Configuration
Remote Access Client	Web, NC-Titanium, SmartManager, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL Wireless: WEP, WPA-PSK, WPA2 WPS: Software WPS setup
Open IP protocol	Yes (ONVIF)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	4.5W

General

Operating Temperature	-10° C ~ + 40° C
Dimensions	Ø 140 x 68 H mm

Available without Wi-Fi and available with indoor housing

RIPD20IR-1P

2Megapixel IR Indoor Dome

Full High Definition | IR LEDs | SD Card Storage | PoE | Video Analytics

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- 28 IR LEDs
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.5lux, B/W: 0Lux (IR ON)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	2.8~10mm Varifocal lens
WDR	75dB (90dB@Digital WDR)
IR LEDs	28, Range: 30m

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Audio Detection	Yes
Video Analytics	Yes (Tampering, Trip Zone)
Event Buffering	Yes (Pre and Post, up to 60M)
Triple Streams	Live, Recording & Multi-view
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	6.3W

General

Operating Temperature	0°C ~ 50°C
Dimensions	ø130mmx 100mmH
Approval	FCC, CE

RISD30-1P

2Megapixel Outdoor IR 30x PTZ

KEY FEATURES

- Real-time multi streaming @ Full HD
- Built-in synchronised & fixed IR Beams
- Built-in Blower & Heater, IP66 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	1.7lux, B/W: 0Lux (IR ON)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p)
Frame Rate	30fps @ 1080p
Lens	36x (Optical), 16x (Digital) 3.4mm (F1.6) ~ 122.4mm (F4.5)
WDR	D-WDR (Wide Dynamic Range)
IR LEDs	Synchronized IR LED & Fixed IR LED/ 150m

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
RS485	RS485
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Remote Focus	Auto Focus
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes (3files)

Network

Max. Connections	10
Protocols	IPv4/IPv6, Manual, TCP/IP, UDP, HTTP, RTP, RTSP, NTP, DHCP, SMTP, DDNS, HTTPS, RTCP, FTP, Bonjour
DDNS	Yes
System	Network Time Sync, NAS Support, JPEG Push, Import / Export Settings, Upgrade, Zero Configuration
Remote Access Client	Web, NC-Titanium, SmartManager, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF)

Pan/ Tilt

Pan Range	360˚ Endless
Pan Speed	Preset : 380˚/sec, Manual : Max 380˚/sec (Turbo)
Tilt Range	0° ~ 180°
Tilt Speed	Preset : 380˚/sec, Manual : Max 300˚/sec (Turbo)
Auto Pan / Scan / Pattern / Tour	1 / 16 / 8 / 8
Preset Positions	240

Electrical

Power Source	12VDC
Power Consumption	12W

General

Operating Temperature	0° C ~ 50° C
Ingress Protection	IP66
Dimensions	ø158 x 370mm(V)

RIVDPTZ18-1P

2Megapixel 18x PTZ Camera

KEY FEATURES

- Real-time multi streaming @ Full HD
- Support Video Analytics
- Built-in Heater, IP67 Ingress protection
- Supports Micro SD card

Image

Image Sensor	1/2.8" CMOS Progressive Scan
Compression	H.264, MJPEG
Day & Night	ICR
Min. Illumination	0.5lux
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1920 x 1080 (1080p), 1280 x 720 (720p), 4CIF, CIF, Pivot
Frame Rate	30fps @ 1080p + 30fps @ 4CIF, Triple Streams with Multi-view
Lens	18x (Optical) 4.8mm (F1.6) ~ 86.4mm (F2.8)
WDR	75dB (90dB@Digital WDR)

Interface

Video Out	1 BNC
Audio In/Out	1/1
Alarm In/Out	1/1
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Audio Detection	Yes
Video Analytics	Yes (Tampering, Trip Zone)
Event Buffering	Yes (Pre and Post, up to 60M)
Triple Streams	Live, Recording & Multi-view
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Motion Adaptive Transmission	Yes
Two-way Audio	Yes
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes
Event Notification	Remote Software, Email (image)

Network

Max. Connections	10 (Live), 1 (Rec.), 1 (Search)
Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP, RTSP, TCP, UDP, HTTP, HTTPS, FTP, SMTP, mDNS, IPv4, IPv6
DDNS (DVRNS)	Yes
System	Network Time Sync, Auto Recovery, Upgrade
Remote Access Client	CMS, Web, Installation, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF Profile S)

Pan/ Tilt

Pan Range	360˚ Endless
Pan Speed	Preset : 420˚/sec, Manual : 0.02˚ to 180˚/sec
Tilt Range	-10° ~ 190°
Tilt Speed	Preset : 420˚/sec, Manual : 0.02˚ to 180˚/s
Preset / Scan / Pattern / Tour	256 / 8 / 8 / 8

Electrical

Power Source	PoE (802.3af), 12VDC
Power Consumption	23W

General

Operating Temperature	0°C ~ 50°C
Dimensions	ø200 x 200mmH
Ingress Protection	IP67
Approval	FCC, CE

REHCUW-1

2Megapixel Wireless Camera

KEY FEATURES

- Real-time multi streaming @ Full HD
- Built-in PIR & White LED
- Wireless or wired network connection
- Supports Micro SD card

Image

Image Sensor	1/4" CMOS Progressive Scan
Compression	H.264, MJPEG
Min. Illumination	1Lux, 0Lux (LED on)
Video Quality Functions	Auto Exposure, AWB, DNR, BLC
Resolution Supported	1600 x 1200, 1024x720, VGA, QVGA
Frame Rate	15ips@ 2MP (1600x1200), 30ips@ 1MP (1280x720)
Lens	2.6mm Fixed

Interface

Audio In/Out	Built-in Mic/Speaker
Wi-Fi	Built-in IEEE 802.11b/g/n WLAN
Ethernet	1 x RJ45

Functions

Motion Detection	Yes
Event Buffering	Yes (Pre and Post)
Triple Streams	Yes
Local Storage	Yes (Micro SD Supported)
FTP Upload	Yes
Remote Focus	Auto Focus
Privacy Masking	Yes
Pre-recorded Voice Alert	Yes (3files)

Network

Max. Connections	10
Protocols	IPv4/IPv6, Manual, TCP/IP, UDP, HTTP, RTP, RTSP, NTP, DHCP, SMTP, DDNS, HTTPS, RTCP, FTP, Bonjour
DDNS	Yes
System	Network Time Sync, NAS Support, JPEG Push, Import / Export Settings, Upgrade, Zero Configuration
Remote Access Client	Web, NC-Titanium, SmartManager, Mobile Viewer
Security	Multi-User Authority, IP Filtering, HTTPS, SSL
Open IP protocol	Yes (ONVIF)

Electrical

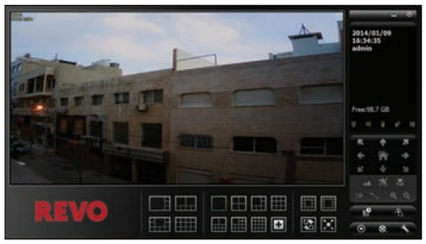
Power Source	5VDC Power Supply Included
Power Consumption	3.5W

General

Operating Temperature	0° C ~ + 40° C
PIR	5m, 60°H x 20°(V)
Illumination LED	White LED, 1W
Dimensions	ø158 x 370mm(V)

Main Console

Monitoring and Recording Software



KEY FEATURES

- Up to 64 IP Cameras with triple monitors
- E-Map, Digital PTZ & Multi View
- Remote playback, backup, I/O control and remote desktop configuration
- Supported by CMS for project scalability

Monitoring

Access Device	REVO IP Cameras 3rd party integrated list Onvif Cameras
Max number of IP Cameras	Up to 64 channels, Licenses: 4, 8, 12, 16, 25, 32, 64
Monitoring Resolution	1920x1200, 1920x1080, 1680x1050, 1600x1200, 1440x900, 1366x768, 1280x1024, 1200x900, 1024x768
Compression Format	MJPEG, MPEG4, H.264 and MxPEG
Functions	Digital PTZ, PTZ Control
Multiple Show	Supported in Live View
Authority	User group authority/ Device access right
Layout	1, 4, 6, 9, 10, 13, 16, 25, 36, 49, 64 devided screen
Triple Monitor	Enable Max. 64Ch. with two screens Live & 3rd playback

Recording & Playback

Recording Type	Time-Lapse, Alarm, Motion, Boosting, Schedule, Manual
Audio and Video Recording	Synchronized
Recycle	Auto when Storage disk is full
Playback Channels	Playback Maximum 16 ch. under several modes & Full screen
Playback Control	Playback, Backward Playback, Fast forward/backward
Video Export	JPEG/BMP, AVI, ASF
Video Authentication	Watermark
Database tool	Recontruct, repair or relocate
Supported Storage	DAS, iSCSI

Functions

Alarm I/O (Optional)	Support I/O Box
PoS (Optional)	RS232 to Ethernet convertor
Optional Services	Central Management Service, Remote Desktop, 360° Camera
Video Clients	Remote Live viewer, Web client, Mobile viewer
Failover	Standby server for single or multiple recording servers
Remote Backup	Yes, .dat format
E-Map	Yes, events notification and video preview
Video Enhancements	Brightness, contrast, saturation and hue
Software Watchdog	OnGuard
Two way Audio	Based on camera model
Cameras Scanning	Auto, UPnP
Security	User authority, Choosen devices
Events	Video loss, Motion Detection, Object Detection, Focus lost, Tampering, System events
Counting	People, Vehicle, Object, 2-Way
System Events	Disk Bad or Full, Health, Resource depleted, Network congestion
Open IP protocol	Yes (ONVIF), over 2318 integrated cameras

RI16NVR-1S

16 Channel Smart Network Video Recorder

16CH 16 Channel System | HDMI Full HD Monitor | Server Client Architecture | eSATA External Storage | Central Event Management

KEY FEATURES

- 16 Ch. IP inputs, available with 4, 8 Ch.
- Up 80Mbps (240fps @ Full HD), Up to 4Megapixel per channel
- HDMI & VGA for Full HD local monitoring
- Video Management software and web client

Monitoring

Access Device	REVO IP Cameras 3rd party integrated list Onvif Cameras
Max number of IP Cameras	16Ch.
Monitoring Resolution	1920x1080, 1280x1024, 1280x720, 1024x768
Compression Format	MJPEG, MPEG4, H.264 and MxPEG
Decoding Capacity	H.264/ MEPG4: 120fps @ 1080p MJPEG: 15fps @ 720p

Recording

Throughput	80Mbps
Recording Modes	Time-Lapse, Alarm, Motion, Digital input, Emergency, Schedule, Manual
Playback Modes	Motion, Object detection, Tam-pering, Cameras Occulsion
Audio and Video Recording	Synchronized

Remote

Max. Connections	Live view max. 64 connections per server simultanously
Remote Software	Web Browser, Remote Client, Mobile Viewer
Live View Control	Live View, Preset/go, PTZ, Remote I/O, Snapshot, digital PTZ
Automatic Backup	Auto Backup to FTP server
PoS	Live View, record, playback, search for every transaction (Web)

Storage

HDDs	Up to 8x SATAII Up to 4TB each
External	e-SATA
RAID	RAID0, 1, 5, 10

Interface

USB	4x USB 2.0
Alarma I/O	16/4
Ethernet	1x RJ-45 Gigabit Port

System

Event	Motion detection, Video loss, Alarm I/O,
Event Action	e-mail, E-map pop up, Push notification for mobile
Events	Video loss, Motion Detection, Object Detection, Focus lost, Tampering, System events
System Events	Disk Bad or Full, Health, Resource depleted, Network congestion
Time Synch	Supports NTP

Electrical

Power Source	AC 100 ~ 240V
Power Consumption	80W, Max: 250W

General

Operating Temperature	0° C ~ + 40° C
Dimensions	88.5H x 438W x 442D mm

Available with 8 & 4Ch. with 4bay and without RAID

RI4NVR-1M

4 Channels Mini Network Video Recorders

KEY FEATURES

- 4 Ch. IP inputs, available with 8,16 Ch.
- Up 40Mbps (120fps @ HD)
- Mini size available with 2 bay and 4 bays
- Video Management software and web client

Monitoring

Access Device	REVO IP Cameras 3rd party integrated list Onvif Cameras
Max number of IP Cameras	4Ch.
Monitoring Resolution	1920x1080, 1280x1024, 1280x720, 1024x768
Compression Format	MJPEG, MPEG4, H.264 and MxPEG

Recording

Throughput	40Mbps Around 120fps @ 1.3MP
Recording Modes	Time-Lapse, Alarm, Motion, Digital input, Schedule, Manual
Playback Modes	Motion, Object detection, Tampering, Cameras Occulsion
Audio and Video Recording	Synchronized

Remote

Max. Connections	Live view max. 64 connections per server simultanously
Remote Software	Web Browser, Remote Client, Mobile Viewer
Live View Control	Live View, Preset/go, PTZ, Remote I/O, Snapshot, digital PTZ
Automatic Backup	Auto Backup to FTP server
PoS	Live View, record, playback, search for every transaction (Web)

Storage

HDDs	Up to 2x SATAII Up to 3TB each
External	e-SATA (Available in the 16Ch. Model)
RAID	RAID0, 1, 5, 10

Interface

USB	2x USB 2.0
Ethernet	1x RJ-45 Gigabit Port

System

Event	Video loss, Motion Detection, Object Detection, Focus lost, Tampering, System events
Event Action	e-mail, E-map pop up, Push notification for mobile
System Events	Disk Bad or Full, Health, Resource depleted, Network congestion
Time Synch	Supports NTP

Electrical

Power Source	19VDC
Power Consumption	90W

General

Operating Temperature	0° C ~ + 40° C
Dimensions	140H x 109.8W x 219D mm

Available with 8 & 16Ch. with 4 bays and with RAID5

Analog Systems

960H 700TV Lines Resolution

960H is the new analog technology allow cameras and DVRs to capture up to 700TVL, the highest TVL available to date. 960H represents the number of horizontal pixels in the CCD image sensor. provides a 30% increase in resolution in comparison to D1.

Rugged Applications Cameras

REVO produces camera for explosion risk and hazardous areas, in addition to cameras that can work in extremely Hot & cold areas with Highest IP rating and testing of IP69K for high pressure and high temperature wash down conditions.

Day & Night Cameras with ICR & Smart IR LEDs

The mechanical IR filter allows the CDS sensor to automatically illuminate the IR LED's during lowlight conditions, Smart IR camera makes very sharp video image in darkness & eliminates saturation of video image of the closer object in darkness by control of the IR sensitivity. IR LEDs are either built-in the cameras or externally installed to provide better images with very long IR coverage
The built-in True Day & Night mechanical filter ICR combined with the IR LED's produces superb night images.

Digital Image Stabilizer DIS

Maintains a stable image quality from unfocused picture status due to shaking caused by high wind or building vibration. DIS also greatly reduces the rolling shutter effect such as image wobble or skew that can often be seen in high quality images.

Wide Dynamic Range WDR

WDR is a powerful and ultra-advanced technology that captures cleaner & superior high resolution pictures. In a scene with extremely bright and dark areas or in backlight situations where a object is in front of a bright window, a typical camera would produce an image where objects in the dark areas would hardly be visible. Wide dynamic range cameras solves this by applying techniques such as using different exposures for different objects in a scene to enable objects in both bright and dark areas to be visible.

REXN700-4P

700 TVL Day & Night Box

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 0.01 Lux (B/W)
- BLC, DNR & WB
- ATR, Motion Detection & Privacy Masking

Module

Resolution	700 TVL
Image Device	1/3" SONY EXview HAD CCD II
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR
Min. illumination	Color: 0.1 Lux, B/W: 0.01 Lux
S/N (Y signal)	More Than 50dB (AGC OFF)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Input	2-pin Terminal Block
Auto Iris Output	4-Pin Mini Din jack (standard)

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
ATR (Adaptive Tone Reproduction)	Yes (Luminance, Contrast)
Day & Night	Color / B/W / Auto
Digital Noise Reduction	OFF / Y / C / Y,C
BLC (Back Light Compensation)	OFF / BLC / HLC
AGC	On / Off
Motion Detection	On (4 areas) / Off Adjustable Size & Sensitivity
Privacy Masking	0 ~ 4 zone
White Balance	ATW / Push / User1 / User2 / AnyICR / Manual / Push Lock
Exposure	Auto Iris / Auto Iris+Electronic Shutter
Hue	0 ~ 255 steps
Contrast	0 ~ 255 steps
Brightness	0 ~ 255 steps
Sharpness	0 ~ 255 steps
Gain	0 ~ 255 steps
Digital Image Effect	Mirror (On/ Off)
Language	Multi-language
White Pixel Detection	OSD Key
Mirror	On / Off
Camera Control	Internal OSD Key

Electrical

Input Voltage	12VDC±10% / 24VAC±10%
Power Consumption	40W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	66 W x 63 H x 120 D mm
Lens Mount	C / CS
Approvals	CE

Shown with Optional Lens

REXN700-3P

700 TVL Day & Night Box

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 0.01 Lux
- BLC, DNR & WB
- ATR, Motion Detection & Privacy Masking

Module

Resolution	700 TVL
Image Device	1/3" SONY EXview HAD II CCD
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR
Min. illumination	Color: 0.1 Lux, B/W: 0.01 Lux
S/N (Y signal)	More Than 50dB (AGC OFF)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Input	2-pin Terminal Block
Auto Iris Output	4-Pin Mini Din jack (standard)

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
ATR (Adaptive Tone Reproduction)	Yes (Luminance, Contrast)
Day & Night	Color / B/W / Auto
DNR (Digital Noise Reduction)	OFF / Y / C / Y,C
BLC (Back Light Compensation)	OFF / BLC / HLC
Display Title	A ~ Z / 0 ~ 9, Camera ID: 0 ~ 255
AGC	On / Off
Motion Detection	On (4 areas) / Off Adjustable Size & Sensitivity
Privacy Masking	0 ~ 4 zone
White Balance	ATW / Push / User1 / User2 / AnyICR / Manual / Push LOCK
Exposure	Auto Iris / Auto Iris+Electronic Shutter
Hue	0 ~ 255 steps
Contrast	0 ~ 255 steps
Brightness	0 ~ 255 steps
Sharpness	0 ~ 255 steps
Gain	0 ~ 255 steps
Digital Image Effect	Mirror (On/ Off)
Language	Muti-language
White Pixel Detection	OSD Key
Mirror	ON / OFF
Camera Control	Internal OSD Key

Electrical

Input Voltage	100~240VAC 50Hz±10%
Power Consumption	4W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	66 W x 63 H x 120 D mm
Lens Mount	C / CS
Approvals	CE

Shown with Optional Lens

REXN700-1P

700 TVL Day & Night Video Analytics Box

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 0.0001 Lux
- Powerfull WDR, Privacy Masking & DNR
- Built-in Video Analytics & Motion Detection

Module

Resolution	700 TVL
Image Device	1/3" SONY EXview HAD CCD II
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR
Min. illumination	Color: 0.1 Lux, B/W: 0.01 Lux
S/N (Y signal)	More Than 50dB (AGC OFF)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms), UTP (optional)
OSD Control	RS485
Power Input	2-pin Terminal Block
Auto Iris Output	4-Pin Mini Din jack (Standard)

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec Auto: 100,000 sec
Sens-up	x256
WDR (Wide Dynamic Range)	X512 (Visibility, Comb Bal, Brightness)
Day & Night	Auto, Day, Night, Ext
DNR (Digital Noise Reduction)	2D + 3D
BLC (Back Light Compensation)	EHLC, Auto, Spot
AGC	Off / Low / Middle / High
Motion Detection & Video Analytics	Motion, Loitering, Abandon, Scene Change, Unfocus, Windy Area, Zone, Line, Counting, Tracking
Privacy Masking	10 (4-point polygonal, Color, Transparency, Mosaic)
White Balance	ATW / Outdoor / Indoor / Outdoor, Fix/FL, CRS, ATW
Exposure	Full Auto, Fast, Fix, Flickerless, Low Light (AGC, Sens-Up), UDF (Ultra Deep Field)
DIS (Digital Image Stabelizer)	On / Off
DIgital PTZ	4x D. Zoom, D. Pan/ Tilt
Digital Image Effect	V-Flip, Mirror, Rotation, Nega & Posi, Freeze, Sharpness, i-Freeze
Language	Multil-language
Camera Control	Internal OSD Key, RS485

Electrical

Input Voltage	12VDC±10% / 24VAC±10%
Power Consumption	3.5W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	78.8 H x 64 H x 118.4 D mm
Lens Mount	C /CS
Approvals	CE, FCC (Class A), UL Listed

Shown with Optional Lens

REXN650-1P

650 TVL Day & Night Video Analytics Box

KEY FEATURES

- 650 TVL Very High Resolution
- True Day & Night (ICR), 0.001 Lux
- Powerfull WDR, Privacy Masking & DNR
- Motion Detection & Built-in Video Analytics

Module

Resolution	650 TVL
Image Device	1/3" Super-HADII PS 960H CCD
Total Pixels	NTSC: 976 (H) x 494 (V) PAL: 976 (H) x 582 (V)
Scanning System	2:1 Interlace
Sync. System	Internal / Line lock
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	DSS & ICR
Min. illumination	Color: 0.4 Lux, B/W: 0.04 Lux, DSS: 0.001 Lux
S/N (Y signal)	50dB (AGC OFF)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms), UTP (optional)
Control	RS485
Power Input	2-pin Terminal Block
Auto Iris Output	4-Pin Mini Din jack (standard)

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec Auto: 1/100,000 sec
WDR (Wide Dynamic Range)	512x (Adjustable Level)
Day & Night	Auto / Day / Night / Ext, Selectable D/N Profile
DNR (Digital Noise Reduction)	2D-DNR & 3D-DNR
BLC (Back Light Compensation)	EHLC / Auto / SPOT / Zone/ BLM
Sens-Up	x32
AGC	Off / Low / High
Motion Detection& Video Analytics	Zone, Motion trace, Face trace, Minefield, Absent, Cross, Entrance, Scene Change Detection
Privacy Masking	16 zone (Tilt, Color, Transparency, Mosaic)
White Balance	Auto / CRS / Push&Hold / Indoor / Outdoor / FL / User
Exposure	Auto / Manual Shutter / Flickerless/ Low Light Control / Offset Add
Digital PTZ	265x D. Zoom, D. Pan/ Tilt
Digital Image Effect	V-Flip / Mirror / Rotation / Nega&Posi / Freeze / Sharpness
Bad Pixel Compensation	64 point
Functions	Admin Password Night Profile, Alarm Setting
System Lock	Lock, Unlock (need password input when locked)
Langauge	English
Frame Control	Auto, Off ~ 7 Sec
Camera Control	Internal OSD Key, RS485

Electrical

Input Voltage	12VDC±10% / 24VAC±10%
Power Consumption	4.5W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	66 W x 56 H x 120 D mm
Lens Mount	C / CS
Approvals	CE, FCC (Class A), UL Listed

Shown with Optional Lens

REVD700IR-1P

700 TVL IR WDR Extreme Weather Vandal Dome

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 30 IR LEDs, 0 Lux
- Powerfull WDR, DNR & Digital Zoom
- Working in Extreme Temperature Conditions, Vandal Proof & IP69K

Module

Resolution	700 TVL
Image Device	1/3" SONY Super HADII (Double Scan) CCD
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal / External (V-Lock)
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	Color: 0.3 Lux, B/W: 0.1 Lux Color DSS: 0.0005 Lux, B/W DSS: 0.0002 lux
IR LED	30EA, 850nm, Range: 20~25m
S/N (Y signal)	more than 50dB (AGC off)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	2 pin terminal connector

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
White Balance	ATW / One Push / Indoor / Outdoor / Manual / Auto
WDR (Wide Dynamic Range)	Off / On
Day & Night	Day / Night / Auto / Ext-IN
DNR (Digital Noise Reduction)	2D-DNR / 3D-DNR
BLC (High Light Compensation)	Low / Mid / High
HLC (High Light Compensation)	Low / Mid / High
HR (High Resolution)	Off / 1 ~ 7
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto (x2~x512)
AGC	Off / On (Max 30dB)
Motion Detection	On / Off (3 zones)
Object	On / Off (9 zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (16 zones)
Digital PTZ	x32 D. Zoom, D. Pan/ Tilt
Digital Image Effect	Off / Negative / B/W
Flickerless	On / Off
Brightness	1 ~ 15 steps
Defect Detection	One Push
Sharpness	1 ~ 16 steps
Freeze	On / Off
Language	Multi-language
Mirror	Off / V / H / H&V
Chroma	Low / Mid / High

Electrical

Input Voltage	12VDC / 24VAC
Power Consumption	12VDC: 290mA, 930mA (IR On) 24VAC: 100mA, 120mA (Fan)/ 250mA (Fan + IR On)/ 780mA (Fan, Heater & IR on)

General

Operating Temperature	-55°C ~ 65°C
Ingress Protection	IP69K
Dimensions	Ø170 x 100 H mm
Approvals	CE, FCC

REVD700IR-5P

700 TVL IR WDR Vandal Dome

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 28 IR LEDs, 0 Lux
- Powerful WDR, DNR, Digital Zoom
- Vandal Proof, IP67

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD Dual Scan CCD
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace, Double Scan
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	DSS: 0.000006 Lux (IR Off, Sens-Up 256x), IR On: 0 Lux
IR LED	28EA, ø5, 850nm,Range: 30m
S/N (Y signal)	52dB

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	DC jack

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
White Balance	Set / Manual(1,800K ~ 10,500K) ATW / Push / User1 / User2 / AntiCR/ Manual / Push lock
WDR (Wide Dynamic Range)	Off / Low / Middle / High
Day & Night	Color, Auto (Ext On/ Off)
DNR (Digital Noise Reduction)	Off / Low / Midlow / Mid / Midhigh (2D+3D)
BLC (Back Light Compensation)	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Auto (x2~ x512) / Level Adjustable (Max 42dB)
AGC	Off / Very Low / Low / Middle / High / Very High / User / Fix
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (15 Zones)
Digital PTZ	x16 D. Zoom, D.Pan / Tilt
Digital Image Effect	Mirror V-Flip, H-Flip, HV-Flip)
Blemish Compensation	Auto (512x Points)
IR OPT (Smart- IR, ATR WD-EX)	Smart- IR (Auto, Center Adjustable), ATR WD-EX On/Off
Defect Adjustment	Auto (64 Points)
Sharpness	0 ~15 Level Adjustable
Language	Multi-language

Electrical

Input Voltage	12VDC
Power Consumption	6W (IR On), 2.4W (IR Off)

General

Operating Temperature	-10°C ~ 50°C
Ingress Protection	IP67
Dimensions	Ø150 x 100 H mm
Approvals	CE

REVD700IR-4P

700 TVL IR Vandal Dome

700TVL | IR LEDs | DIGITAL WDR Wide Dynamic Range | Vandal Proof | IP67 Weather Proof

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 28 IR LEDs, 0 Lux
- Digital WDR, DNR, Digital Zoom
- Vandal Proof, IP67

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD II 960H CCD
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	DSS: 0.00001 Lux (IR Off, Sens-Up 256x), IR On: 0 Lux
IR LED	28EA, ø5, 850nm, Range: 30m
S/N (Y signal)	52dB

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	DC jack

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR (Wide Dynamic Range)	Off / Indoor / Outdoor
Day & Night	Auto (AGC) / Day / Night / Ext
DNR (Digital Noise Reduction)	1~200 Level Adjustable
BLC (Back Light Compensation)	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto (x2~x256)
AGC	High / Middle / Low
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Smart Digital Zoom	On (x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / Rotate / PIP)
Blemish Compensation	Auto (512x Points)
Defect Adjustment	On / Off (Selectable)
Sharpness	0 ~31 Level Adjustable
Defog	Off / Manual / Auto
Language	English

Electrical

Input Voltage	12VDC
Power Consumption	6W (IR On), 2.4W (IR Off)

General

Operating Temperature	-10°C ~ 50°C
Ingress Protection	IP67
Dimensions	Ø150 x 100 H mm
Approvals	CE

RECDH2812IR-1P

700 TVL IR Varifocal Indoor Dome

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 28 IR LEDs, 0 Lux
- Digital WDR, DNR, Digital Zoom
- Motion Detection & Privacy Masking

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD II 960H CCD
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	DSS: 0.00001 Lux (IR Off, Sens-Up 256x), IR On: 0 Lux
IR LED	28EA, ø5, 850nm, Range: 30m
S/N (Y signal)	52dB

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	DC jack

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR (Wide Dynamic Range)	Off / Indoor / Outdoor
Day & Night	Auto (AGC) / Day / Night / Ext
DNR (Digital Noise Reduction)	1~200 Level Adjustable
BLC (Back Light Compensation)	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto (x2~x256)
AGC	High / Middle / Low
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Smart Digital Zoom	On (x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / Rotate / PIP)
Blemish Compensation	Auto (512x Points)
Defect Adjustment	On / Off (Selectable)
Sharpness	0 ~31 Level Adjustable
Defog	Off / Manual / Auto
Language	English

Electrical

Input Voltage	12VDC
Power Consumption	6W (IR On), 2.4W (IR Off)

General

Operating Temperature	-10°C ~ 50°C
Dimensions	Ø130 x 100 H mm
Approvals	CE

RCDS30-3P

700 TVL IR Fixed Indoor Dome

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 30 IR LEDs, 0 Lux
- AGC, AWB & BLC
- Built in Mic with Audio Output

Module

Resolution	700 TVL
Image Device	1/3" Color CMOS Image Sensor
Total Pixels	NTSC: 960 (H) x 578 (V) PAL: 960 (H) x 480 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR
Min. illumination	IR On: 0 Lux
IR LED	30EA, 850nm, Range: 25m
S/N (Y signal)	More than 48dB
Gamma	0.45

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Audio Output	Yes, Sensitivity: 58dB
Power Intput	DC jack

Lens

Focal Length	Fixed 3.6mm

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 1/10,000 sec
White Balance	Yes
Day & Night	Auto IR Sync
BLC (Back Light Compensation)	Yes
AGC	Auto
Flickerless	Yes
Built-in Mic	Yes, Sensitivity: 58dB

Electrical

Input Voltage	12VDC±10%
Power Consumption	300mA (IR On), 60mA (IR Off), 4 W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	Ø141 x 84 H mm
Approvals	CE, FCC

REVDN650-1P

650 TVL WDR Video Analytics Vandal Dome

650TVL | WDR Wide Dynamic Range | Video Analytics | Vandal Proof | IP66 Weather Proof

KEY FEATURES

- 650 TVL Very High Resolution
- True Day & Night (ICR), 0.001 Lux
- Powerfull WDR, Privacy Masking & DNR
- Built-in Video Analytics & Motion Detection

Module

Resolution	650 TVL
Image Device	1/3" Super-HADII PS 960H CCD
Total Pixels	NTSC: 976 (H) x 494 (V) PAL: 976 (H) x 582 (V)
Scanning System	2:1 Interlace
Sync. System	Internal / Line lock
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	DSS & ICR
Min. illumination	Color: 0.4 Lux, B/W: 0.04 Lux, DSS: 0.001 Lux
S/N (Y signal)	50dB (AGC OFF)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms), UTP (optional)
Control	RS485
Power Input	2-pin Wire

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec Auto: 1/100,000 sec
WDR (Wide Dynamic Range)	512x (Adjustable Level)
Day & Night	Auto / Day / Night / Ext, Selectable D/N Profile
DNR (Digital Noise Reduction)	2D-DNR & 3D-DNR
BLC (Back Light Compensation)	EHLC / Auto / Spot/ Zone/ BLM
Sens-Up	x32
AGC	Off / Low / High
Motion Detection& Video Analytics	Zone, Motion trace, Face trace, Minefield, Absent, Cross, Entrance, Scene Change Det.
Privacy Masking	16 zone (Tilt, Color, ransparency, Mosaic)
White Balance	Auto / CRS / Push&Hold / Indoor / Outdoor / FL / User
Exposure	Auto / Manual Shutter / Flickerless/ Low Light Control / Offset Add
Digital PTZ	265x D. Zoom, D. Pan/ Tilt
Digital Image Effect	V-Flip / Mirror / Rotation / Nega&Posi / Freeze / Sharpness
Bad Pixel Compensation	64 point
Functions	Admin Password, Night Profile, Alarm Setting
System Lock	Lock, Unlock (password)
Langauge	English
Frame Control	Auto, Off ~ 7 Sec
Camera Control	Internal OSD Key, RS485

Electrical

Input Voltage	12VDC±10% / 24VAC±10%
Power Consumption	4.5W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	Ø146.3 x 113.7 H mm
Ingress Protection	IP66
Approvals	CE, FCC (Class A), UL Listed

RECDH2812-2P

600 TVL WDR Varifocal Indoor Dome

KEY FEATURES

- 600 TVL High Resolution
- True Day & Night (ICR), 0.03 Lux
- Powerfull WDR, DNR & BLC
- Motion Detection, Privacy Masking & Digital Zoom

Module

Resolution	600 TVL
Image Device	1/3" Sony Super HAD CCD II
Total Pixels	NTSC: 811 (H) x 508 (V) PAL: 795 (H) x 595 (V)
Scanning System	2:1 Interlace
Sync. System	Internal / Line Lock
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR
Min. illumination	Color: 0.14 Lux, B/W: 0.03 Lux
S/N (Y signal)	More than 50dB

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	2-Pin Wire

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC:1/60 ~ 1/10,000 sec PAL: 1/50 ~ 1/10,000 sec Auto: 100,000 sec
White Balance	AWC, ATW, Manual, Push
WDR (Wide Dynamic Range)	Single Scan WDR 15fps
Day & Night	Auto (AGC) / Day / Night / Ext
DNR (Digital Noise Reduction)	3D-DNR
BLC (Back Light Compensation)	On / Off
Eclipse (HME)	On / Off
Motion Detection	On / Off
Privacy Masking	On / Off (8 Zones: Point, Polygonal Mosaic)
Digital PTZ	x1 ~ x3 D. Zoom, D. Pan (-128~+127) / Tilt(-82 ~ +81)
Digital Image Effect	Freeze, Negative

Electrical

Input Voltage	12VDC±10%, 24VAC±10%
Power Consumption	25W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	Ø145.6 x 113 H mm
Approvals	CE(Class A), FCC(Class A), UL

RECDH36-2P

600 TVL Fixed Indoor Dome

KEY FEATURES

- 600 TVL High Resolution
- True Day & Night (ICR), 0.04 Lux
- D-WDR, DNR & BLC
- Motion Detection, Privacy Masking & Parking Line

Module

Resolution	600 TVL
Image Device	1/3" Sony Super HAD II CCD
Total Pixels	NTSC: 811 (H) × 507(V) PAL: 795 (H) × 595 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	Digital Day & Night
Min. illumination	Color: 0.1 Lux, BW: 0.04 Lux
S/N (Y signal)	More than 50dB (AGC Off)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	DC jack

Lens

Focal Length	Fixed 3.6mm

Camera

Electronic Shutter	NTSC: 1/60sec ~ 1/100,000 sec PAL: 1/50 ~ 1/100,000 sec
White Balance	ATW2 / ATW1 / Manual / AWC->SET
D-WDR (Wide Dynamic Range)	Off / On
Day & Night	Auto / Color / B/W / EXT
DNR (Digital Noise Reduction)	2D-DNR
BLC (Back Light Compensation)	OFF / HLC / BLC
OSD	Yes (Built in Joystick switch)
AGC	Off / Low / Middle / High
Motion Detection	On / Off
Privacy Masking	On / Off
Parking Line	On / Off
Lens Shading	On / Off (0~255)
Dead Pixel Cancellation	Auto 64 Points
Mirror	On / Off
Sharpness	0 ~ 31
Reset	Factory Reset / Return
Contrast	0 ~ 255
Burst	Off / On

Electrical

Input Voltage	12VDC ± 10%
Power Consumption	1.5W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	Ø120 x 88 H mm
Approvals	CE, FCC

RECBH2812-3P

700 TVL IR Varifocal Bullet

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 56 IR LEDs, 0 Lux
- Digital WDR, DNR, Digital Zoom
- Weather Proof IP67

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD II 960H CCD
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	DSS: 0.00001 Lux (IR Off, Sens-Up 256x), IR On: 0 Lux
IR LED	56EA, ø5, 850nm, Range: 40m
S/N (Y signal)	52dB

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	DC jack

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR (Wide Dynamic Range)	Off / Indoor / Outdoor
Day & Night	Auto (AGC) / Day / Night / Ext
DNR (Digital Noise Reduction)	1~200 Level Adjustable
BLC (Back Light Compensation)	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto (x2~x256)
AGC	High / Middle / Low
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Smart Digital Zoom	On (x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / Rotate / PIP)
Blemish Compensation	Auto (512x Points)
Defect Adjustment	On / Off (Selectable)
Sharpness	0 ~31 Level Adjustable
Defog	Off / Manual / Auto
Language	English

Electrical

Input Voltage	DC 12V
Power Consumption	8.4W (IR On), 2.4W (IR Off)

General

Operating Temperature	-10°C ~ 50°C
Dimensions	102 W x 95 H x 275 D mm
Ingress Protection	IP67
Approvals	CE

RECBH0550-1P

700 TVL IR Varifocal Bullet

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 56 IR LEDs, 0 Lux
- Digital WDR, DNR, Digital Zoom
- Weather Proof IP67

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD II 960H CCD
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	DSS: 0.00001 Lux (IR Off, Sens-Up 256x), IR On: 0 Lux
IR LED	56EA, ø5, 850nm, Range: 40m
S/N (Y signal)	52dB

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	DC jack

Lens

Focal Length	Varifocal 5mm-50mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 100,000 sec
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR (Wide Dynamic Range)	Off / Indoor / Outdoor
Day & Night	Auto (AGC) / Day / Night / Ext
DNR (Digital Noise Reduction)	1~200 Level Adjustable
BLC (Back Light Compensation)	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto (x2~x256)
AGC	High / Middle / Low
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Smart Digital Zoom	On (x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / Rotate / PIP)
Blemish Compensation	Auto (512x Points)
Defect Adjustment	On / Off (Selectable)
Sharpness	0 ~31 Level Adjustable
Defog	Off / Manual / Auto
Language	English

Electrical

Input Voltage	DC 12V
Power Consumption	8.4W (IR On), 2.4W (IR Off)

General

Operating Temperature	-10°C ~ 50°C
Dimensions	102 W x 95 H x 275 D mm
Ingress Protection	IP67
Approvals	CE

RCBS30-3P

700 TVL IR Fixed Bullet

KEY FEATURES

- 700 TVL Extreme Resolution
- True Day & Night (ICR), 30 IR LEDs, 0 Lux
- Built in MIC with Audio Output
- Weather Proof IP67

Module

Resolution	700 TVL
Image Device	1/3" Color CMOS Image Sensor
Total Pixels	NTSC: 960 (H) x 578 (V) PAL: 960 (H) x 480 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR
Min. illumination	IR On: 0 Lux
IR LED	30EA, 850nm, Range: 25m
S/N (Y signal)	More than 48dB
Gamma	0.45

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Audio Output	Yes, Sensitivity: 58dB
Power Intput	DC jack

Lens

Focal Length	Fixed 3.6mm

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec PAL: 1/50 ~ 1/10,000 sec
White Balance	Yes
Day & Night	Auto IR Sync
BLC (Back Light Compensation)	Yes
AGC	Auto
Flickerless	Yes
Built-in Mic	Yes, Sensitivity: 58dB

Electrical

Input Voltage	12VDC±10%
Power Consumption	300mA (IR On), 60mA (IR Off), 4 W

General

Operating Temperature	-10°C ~ 50°C
Dimensions	Ø55 x 165 D mm
Ingress Protection	IP66
Approvals	CE, FCC

RECBH36-2P

600 TVL IR Fixed Bullet

KEY FEATURES

- 600 TVL High Resolution
- True Day & Night (ICR), 24 IR LEDs, 0 Lux
- DNR, WB & Auto Exposure
- Weather Proof IP67

Module

Resolution	600 TVL
Image Device	1/3" Sony Super HAD II CCD
Total Pixels	NTSC: 811 (H) x 507 (V) PAL: 795 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR
Min. illumination	Color: 0.1 Lux (IR Off), BW & IR On: 0 Lux
IR LED	24EA, 850nm, Range: 20m
S/N (Y signal)	More Than 50dB (AGC Off)

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Power Intput	DC jack

Lens

Focal Length	Fixed 3.6mm

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/100,000 sec PAL: 1/50 ~ 1/100,000 sec
White Balance	AUTO (ATW)
Day & Night	Auto
DNR (Digital Noise Reduction)	2D-DNR
Smart IR	Yes
AGC	Auto
Gamma	Yes

Electrical

Input Voltage	12VDC ±10%
Power Consumption	3W (IR On)

General

Operating Temperature	-10°C ~ 50°C
Dimensions	Ø50 x 139.5 D mm
Ingress Protection	IP67
Approvals	CE, FCC (Class A), UL Listed

RESAPTZ36IR-2P

36x 700 TVL IR Vandal PTZ

KEY FEATURES

- 36x Optical Zoom
- 700 TVL Extreme Resolution,
- True Day & Night (ICR), Built-in Synchronised & fixed IR Beams, 0 Lux
- Vandal Proof Casing, IP66

Module

Resolution	700 TVL
Image Device	1/4" Super HAD II CCD (Double Scan)
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	Color: 0.1 Lux, B/W & DSS: 0.00001 Lux
IR LED	Synchronized LED & Fixed LED, Range: 150m
S/N (Y signal)	More Than 50dB (AGC OFF)

Lens

Zoom Ratio	36x (Optical), 16x (Digital)
Focal Length	3.4mm (F1.6) ~ 122.4mm (F4.5)
Angular Field of View	56.0˚ (H) - 1.9˚ (H)

Pan/ Tilt

Pan Range	360˚ Endless
Pan Speed	0.1° to 380°/sec Preset: 380˚/sec Manual: Max 380˚/sec (Turbo)
Tilt Range	0° ~ 90 (Auto Flip)°
Tilt Speed	Preset: 380˚/sec Manual: Max 300˚/sec (Turbo)
Auto Pan / Scan / Pattern / Tour	1 / 16 / 8 (up to 500 sec) / 8
Preset Positions	240 (12 Character Tiltle)

Camera

Day & Night	Auto / Color / B/W / Global
Motion Detection	Yes
BLC (Back Light Compensation)	On / Off
Privacy Masking	8 (Block or Video Off)
White Balance	AWB / WAWB / Indoor / Outdoor / Manual
Auto Exposure	AE1 / AE2 / Shutter PRIO / Manual
Electronic Shutter Speed	NTSC:1/60 ~ 100,000 sec PAL: 1/50 ~ 100,000 sec
WDR (Wide Dynamic Range)	Low / Midlow / Mid / Midhigh / High
AGC	Min / Low / Mid / High
DIS (Digital Slow Shutter)	On / Off (Max. 512x)
DNR (Digital Noise Reduction)	2D / 3D
Digital Image Stabilization	On / Off
On Screen Display	Multi-language, ID & area title

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Alarm	Input, 1 Output
Power Input	2-pin Terminal Block
Camera Control	Built-in RS-485

Electrical

Input Voltage	12VDC
Power Consumption	36W

General

Operating Temperature	-20°C ~ 50°C
Ingress Protection	IP66
Dimensions	Ø158 x 201.8 W x 370.8 H mm
Approvals	CE, FCC

RESAPTZ36-2P

36x 700 TVL Outdoor PTZ

36x zoom | ICR Day and Night | ICR Day and Night | WDR Wide Dynamic Range | IP66 Weather Proof

KEY FEATURES

- 36x Optical Zoom
- 700 TVL Extreme Resolution
- True Day & Night (ICR), 0.00001 Lux
- Built-in Heater, Blower & Sunshield, IP66

Module

Resolution	700 TVL
Image Device	1/4" Super HAD CCD II (Double Scan)
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 1020 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	Color: 0.1 Lux, B/W & DSS: 0.00001 Lux
S/N (Y signal)	More Than 50dB (AGC OFF)

Lens

Zoom Ratio	36x (Optical), 16x (Digital)
Focal Length	3.4mm (Wide) ~ 122.4mm (Tele)
Max. Aperture Ratio	F1.6 (Wide) ~ F3.7 (Tele)
Angular Field of View	49.5˚ (H) ~ 2.4˚ (H)

Pan/ Tilt

Pan Range	360˚ Endless
Pan Speed	0.1° to 380°/sec
Tilt Range	-10° to 190° (Digital-flip ON)
Tilt Speed	Preset: 380˚/sec Manual: Max 300˚/sec (Turbo)
Auto Pan / Scan / Pattern / Tour	1 / 16 / 8 / 8
Preset Positions	240

Camera

Day & Night	Auto / Color / B/W / Global
Motion Detection	Yes
BLC (Backlight Compensation)	Min / Low / Mid / High
Privacy Masking	8
White Balance	AWB/ WAWB/ Indoor/ Outdoor/ Manual
Electronic Shutter Speed	Normal ~ 1/100,000 sec
WDR (Wide Dynamic Range)	On / Off
AGC	Min / Low / Mid / High
Digital Slow Shutter	On / Off (Max. 512x)
DNR (Digital Noise Reduction)	2D / 3D
DIS (Digital Image Stabilization)	On / Off
On Screen Display	Multi-language, ID & area title

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Alarm	8 Input, 4 Output
Power Input	2-pin Terminal Block
Camera Control	Built-in RS-485/RS-422

Electrical

Input Voltage	24VAC
Power Consumption	20W for Dome, 52.4W for Heater & Fan

General

Operating Temperature	-50°C ~ 50°C
Ingress Protection	IP66
Dimensions	Ø234 x 278 H mm
Approvals	CE, EMC, FCC (CLASS A)

Shown with Optional Wall Mount & Power Box

REVDPTZ22-4P

22x 700 TVL Vandal PTZ

KEY FEATURES

- 22x Optical Zoom
- 700 TVL Extreme Resolution
- True Day & Night (ICR), 0.00001 Lux
- Vandal Proof Casing, IP66

Module

Resolution	700 TVL
Image Device	1/4" Sony Super HAD CCD II
Total Pixels	NTSC: 1020 (H) x 508 (V) PAL: 795 (H) x 595 (V)
Scanning System	2:1 Interlace
Sync. System	Internal / External
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	Color: 0.1 Lux, B/W & DSS: 0.00001 Lux
S/N (Y signal)	More Than 50dB (AGC OFF)

Lens

Zoom Ratio	22x (Optical), 16x (Digital)
Focal Length	3.9mm (Wide) ~ 85.8mm (Tele)
Max. Aperture Ratio	F1.6 (Wide) ~ F3.7 (Tele)
Angular Field of View	49.5˚ (H) - 2.4˚ (H)

Pan/ Tilt

Pan Range	360˚ Endless
Pan Speed	Preset: 380˚/sec Manual: Max 380˚/sec (Turbo)
Tilt Range	0° ~ 180°
Tilt Speed	Preset: 380˚/sec Manual: Max 300˚/sec (Turbo)
Auto Pan / Scan / Pattern / Tour	1 / 16 / 8 / 8
Preset Positions	240

Camera

Day & Night	Auto / Color / B/W / Global
Motion Detection	Yes
BLC (Backlight Compensation)	Off / BLC / HLC
Privacy Masking	8
White Balance	AWB/ WAWB/ Indoor/ Outdoor/ Manual
Electronic Shutter Speed	NTSC:1/60 ~ 100,000 sec PAL: 1/50 ~ 100,000 sec
WDR (Wide Dynamic Range)	On / Off
AGC	MIN / LOW / MID / HIGH
Digital Slow Shutter	On / Off (Max. 512x)
DNR (Digital Noise Reduction)	2D / 3D
DIS (Digital Image Stabilization)	On / Off
On Screen Display	Multi-language, ID & area title

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Alarm	4 Input, 1 Output
Power Input	2-pin Terminal Block
Camera Control	Built-in RS-485

Electrical

Input Voltage	24VAC / 12VDC
Power Consumption	12W

General

Operating Temperature	-20°C ~ 50°C
Ingress Protection	IP66
Dimensions	Ø154 x 140 H mm
Approvals	CE EMC, FCC (Class A)

REVDPTZ22-2P

22x 580 TVL Vandal PTZ

KEY FEATURES

- 22x Optical Zoom
- 580 TVL High Resolution
- True Day & Night (ICR), 0.001 Lux
- Vandal Proof Casing, IP66

Module

Resolution	580 TVL
Image Device	1/4" Type Ex-view CCD
Total Pixels	NTSC: 811 (H) x 508 (V) PAL: 795 (H) x 596 (V)
Scanning System	2:1 Interlace
Sync. System	Internal/Line lock
Scanning Freq.	NTSC: 15.734KHz(H), 95.9Hz(V) PAL: 15.625KHz(H), 50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	Color: 0.5 Lux, DSS: 0.01 Lux, B/W & Slow Shutter: 0.001 Lux
S/N (Y signal)	50dB (AGC OFF)

Lens

Zoom Ratio	22x (Optical), 16x (Digital)
Focal Length	3.9mm (Wide) ~ 85.5mm (Tele)
Max. Aperture Ratio	F1.6 (Wide) ~ F3.7 (Tele)
Angular Field of View	49.5˚ (H) ~ 2.4˚ (H)

Pan/ Tilt

Pan Range	360˚ Endless
Pan Speed	0.1°to 380°/sec Turbo Mode: 380°/sec Preset Mode: 380°/sec
Tilt Range	-10° to 180° (Digital-flip ON)
Tilt Speed	Preset: 380˚/sec
Auto Pan / Scan / Pattern / Tour	1 / 4 / 4 (up to 200sec) / 8 (42 functions / 1 tour)
Preset Positions	120

Camera

Day & Night	AUTO / ON / OFF / GLOBAL
Motion Detection	Yes
BLC (Backlight Compensation)	MIN / LOW / MID / HIGH
Privacy Masking	4 (Block or Video Off)
White Balance	AWB / WAWB/ Indoor/ Outdoor / Manual
Electronic Speed	Normal ~ 1/100,000 sec
WDR (Wide Dynamic Range)	On / Off
AGC	MIN / LOW / MID / HIGH
Digital Slow Shutter	On / Off
DIS (Digital Noise Reduction)	2D / 3D
Auto Calibration	0.1° ~ 6°
On Screen Display	Multi-language, ID & area title

Electrical

Input Voltage	12V DC / 24V AC ± 10%
Power Consumption	12W

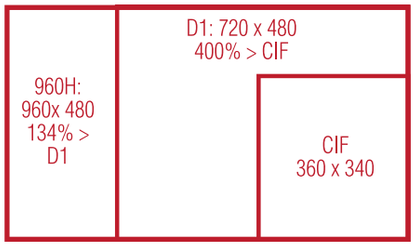
Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Alarm	1 Input, 1 Output
Power Input	2-pin Terminal Block
Camera Control	Built-in RS-485

General

Operating Temperature	-10°C ~ 50°C
Ingress Protection	IP66
Dimensions	Ø234 x 278 H mm
Approvals	CE, EMC, FCC (CLASS A)

DVR Systems



D1 960H Resolution Support

960H is the new analog technology allowing cameras and DVRs to capture up to 700TVL. 960H represents the number of horizontal pixels in the CCD image sensor. 960H is the highest resolution available for analog CCTV and provides a 30% increase in resolution in comparison to D1. The greater the resolution, the higher the definition of the video image. 960H creates a wide-screen picture that does not need to be stretched to fit wide-screen TV's and monitors.

Multiple Monitors Simultaneously

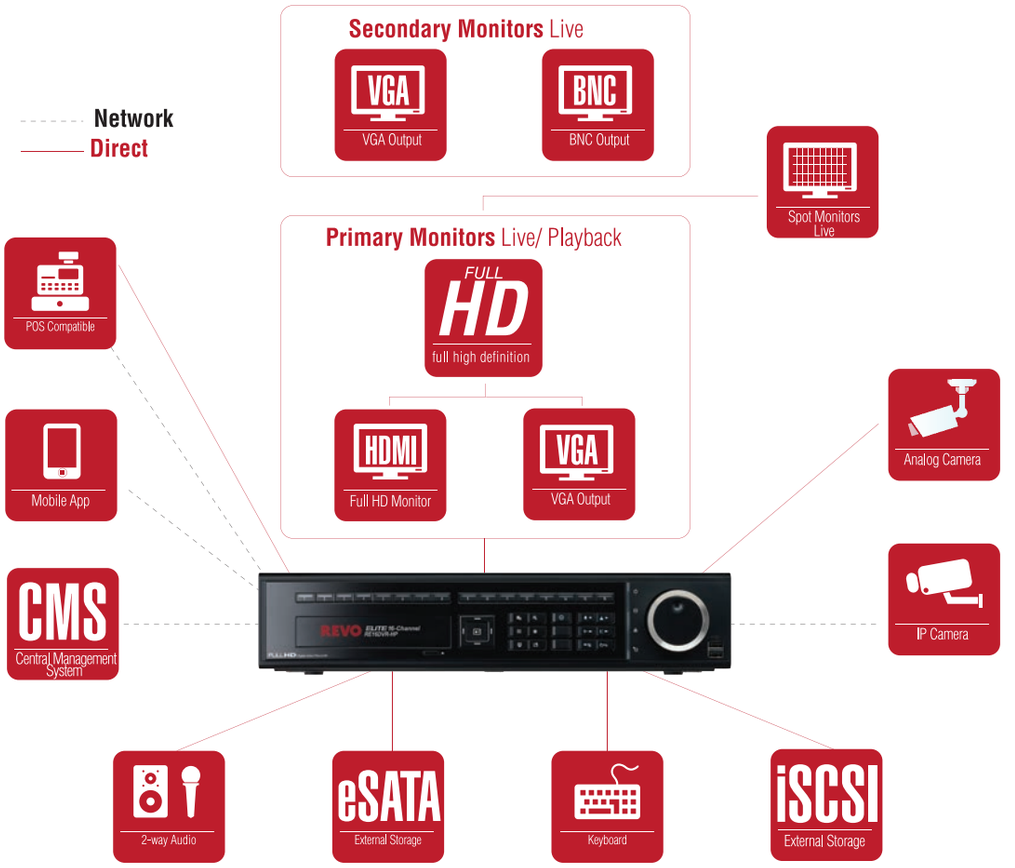
REVO DVR supports up to 5 Monitors simultaneously all with multiplexed view for the full cameras, for Hybrid models IP and Analog can be multiplexed on same or different monitors depending on DVR.

ATM/ PoS Support

REVO DVRs support overlay, read, search & event operations on the text coming from Bank ATM or PoS (Point of Sale). DVR can be connected to machine through IP, RS485, RS232 or USB.

Large storage with External & Internal Options

REVO DVRs can support up 5 HDDs internally with 15TB in addition to iSCSI and eSATA ports which available for storage extensions over network or directly attached.



Remote SW and Mobile Applications

REVO DVRs can be managed, monitored & played back with remote CMS.

RE16DVR-HP

32 Channel Hybrid Digital Video Recorder

System

Operating System	Embedded Linux
Storage	Internal storage: 5x SATAII HDDs (up to 4 with eSATA HDD) External storage: eSATA, iSCSI
Data Export	USB HDD, DVD±RW, USB Flash Drive
Firmware Upgrade	USB, Remote S/W

Monitoring

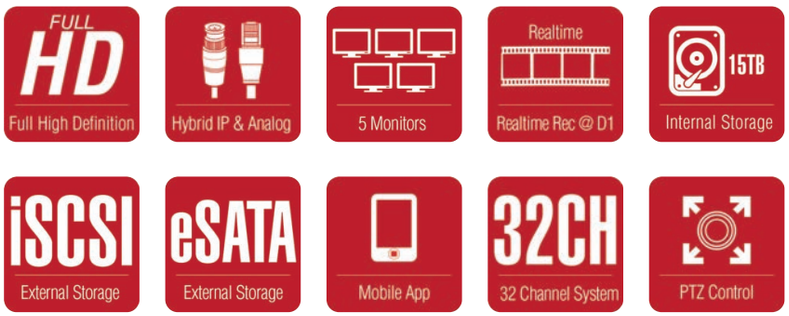
Video Inputs	16 x BNC + 16 x IP Inputs
Video Ouputs	Main Monitor: 1 x HDMI (Full HD), 1x VGA (Full HD), 1 x BNC Secondary Monitor: 1 x VGA, 1 x BNC Spot Monitor: 1 x BNC (16 CH. Multiplexed) Loop Out: 16 x BNC (1.0Vp-p, 75ohms)
Display Rate	Analog (NTSC / PAL): 400 / 480ips @ Full HD IP: 24ips @ 2MP(1920×1080), 400 / 480ips @ CIF
Display Functions	Sequence, D. Zoom (x2, x4), Freeze, Covert Camera, Spot Monitoring, Color Control

Recording and Playback

Video Compression	H.264
Recording Rate	Analog: 480/400ips @ 4CIF (NTSC:/PAL:), IP: 70ips @ 2MP(1920x1080), 140ips@ 4CIF
Playback Rate	Analog: 400 / 480ips @ Full HD IP: 24ips @ 2MP(1920×1080), 400 / 480ips @ CIF
Recording Mode	Time-Lapse, Event, Pre-Event, Post Event, Text-In, Panic
Search Mode	Date/time, Record table, Calendar, Event, Motion, Museum, Text-In

Events

Recording Events	Motion Detection, Video Loss, Video Blind, Alarm-in, Text-in
Pre/Post-Event Recording	30 / 15 min
Event Action	Email, Notifying Remote S/W, Move PTZ, spot



KEY FEATURES

- Hybrid DVR with16 Analog & 16 IP Inputs
- Real-time Rec. @ D1 & 70ips @ 2MP for IP
- Up to 5 Monitors 1 HDMI, 2 VGA, 2 BNC, 1 Spot
- 5x SATA HDDs internally, e-SATA & iSCSI

Network

Network Port	1x RJ-45 Gigabit Ethernet Port
Protocols	DVRNS, Static IP, DHCP, ADSL
Remote Software	iRAS, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	16 / 1 (RCA)
Alarm In / Out/ Reset	16 x TTL (NC/NO programmable) / 4 x Relays/ 1 TTL
Serial	RS232 (DB9), RS485 (2-connector terminal block)
ATM, POS	14 Channels.
External Interface	2 x USB 2.0, 1x eSATA, 1 x iSCSI

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

Dimensions (W x H x D)	430 x 88 x 490 mm, 2U, Rack
Weight	10.4kg
Approvals	FCC, UL,CE,CB

Power

Power Source	100 to 240 VAC, 2.0 – 1.0 A, 50/60Hz
Power Consumption	Max. 100 watts

Security

Video Authentication	Chained Fingerprint Encryption
Access Rights	64 Groups, 256 users

RE16DVR-1S

16 Channel Smart Digital Video Recorder

System

Operating System	Embedded Linux
Storage	Internal: 3x SATAII HDDs External: eSATA
Data Export	USB HDD, DVD±RW, USB Flash Drive
Firmware Upgrade	USB, Remote S/W

Monitoring

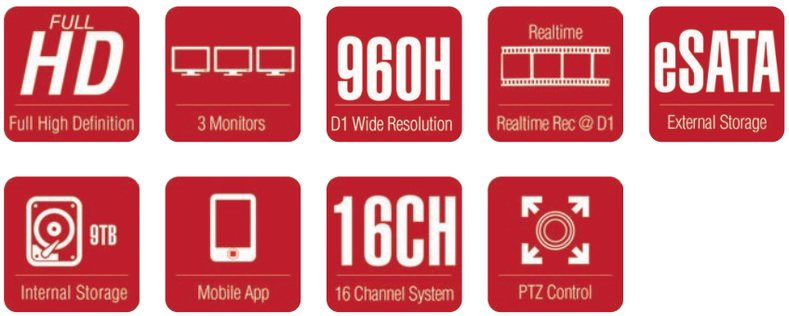
Video Inputs	16 x BNC (1.0 Vp-p, 75ohms)
Video Ouputs	Main Monitor: 1 x HDMI (Full HD), 1 VGA (Full HD) Spot Monitor: 1 x BNC (Multi-Layout Display) Loop Out: 16 x BNC (1.0Vp-p, 75ohms)
Display Rate	NTSC: 480ips@ 1920 x 1080 PAL: 400ips@ 1920 x 1080
Display Functions	Sequence, D. Zoom, freeze, covert camera, spot monitoring, color control, On-Live Playback (Triplex Playback)

Recording and Playback

Video Compression	H.264
Recording Rate	NTSC: 960 D1/720 D1: 336/480 ips PAL: 960 D1/720 D1: 280/400 ips
Playback Rate	NTSC: 960 D1/720 D1: 80/480 ips PAL: 960 D1/720 D1: 67/400 ips
Recording Mode	Time-Lapse, Event, Pre-Event, Post Event, Text-In, Panic
Search Mode	Date/Time, Record Table, Calendar, Event, Motion, Musuem, Text-in, Thumbnail, Bookmark, Digital Zoom

Events

Recording Events	Motion Detection, Video Loss, Video Blind, Alarm-in, Text-in (ATM/POS)
Pre/Post-Event Recording	30 / 30 min
Event Action	Email, Notifying Remote S/W, Move PTZ, Spot, Callback



KEY FEATURES

- 16 Channel Linux Based DVR .
- Real-Time Recording@ D1 for all Channels
- 3x SATA HDDs, External e-SATA Capability
- Video Management Software for Remote Viewing, Playback & Management

Network

Network Port	1 x RJ-45 Gigabit Ethernet Port
Protocols	DVRNS, Static IP, DHCP, ADSL
Remote Software	iRAS, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	4 x RCA / 1 x RCA, 1 x HDMI
Alarm In / Out/ Reset	16 x TTL (NC/NO programmable) / 2 x Relays / 1x TTL
Serial Interface	RS232, RS485
ATM, POS	16 Channels
External Interface	2 x USB 2.0, 1 x eSATA

Security

Video Authentication	Chained Fingerprint Encryption
Access Rights	64 Groups, 256 users

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

Dimensions (W x H x D)	430 x 88 x 400 mm
Weight	7.3kg
Approvals	FCC, UL,CE,CB

Power

Power Source	100 to 240 VAC, 2.0 – 1.0 A, 50/60Hz
Power Consumption	Max. 75 watts

Available with 8 CH

RE16DVR-1E

16 Channel Economy Digital Video Recorder

System

Operating System	Embedded Linux
Storage	Internal: 2x SATAII HDDs
Data Export	USB HDD, USB Flash Drive
Firmware Upgrade	USB, Remote S/W

Monitoring

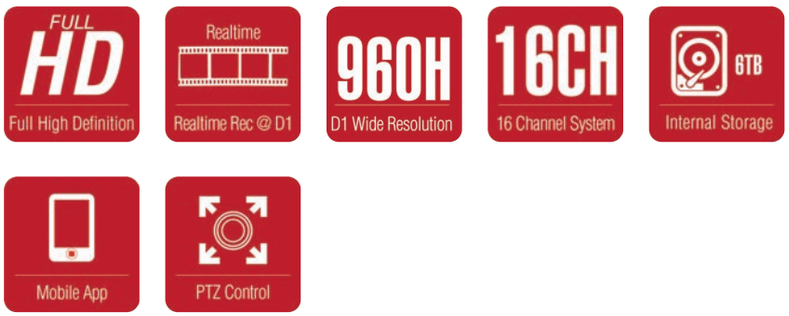
Video Inputs	16 x BNC (1.0 Vp-p, 75ohms)
Video Ouputs	1 HDMI (Full HD), 1 VGA (Full HD)
Display Rate	NTSC: 480ips@ 1920 x 1080 PAL: 400ips@ 1920 x 1080
Display Functions	Sequence, D. Zoom (x2, x3, x4), Freeze, Covert Camera, Color Control

Recording and Playback

Video Compression	H.264
Recording Rate	NTSC: 960 D1/720 D1: 336/480 ips PAL: 960 D1/720 D1: 280/400 ips
Playback Rate	NTSC: 960 D1/720 D1: 67/480 ips PAL: 960 D1/720 D1: 80/400 ips
Recording Mode	Time-Lapse, Event, Pre-Event, Post Event, Text-In, Panic
Search Mode	Date/Time, Record Table, Calendar, Event, Motion, Museum, Text-In, Mouse Shuttle, Bookmark, Thumbnail

Events

Recording Events	Motion Detection, Video Loss, Alarm-in, Text-in (ATM/POS)
Pre/Post-Event Recording	30 / 30 min
Event Action	Email, Notifying Remote S/W, Move PTZ, Spot, Callback



KEY FEATURES

- 16 Channel Linux Based DVR .
- Real-time Recording @ D1 for all channels
- Up to 2x SATA HDDs Internally
- Video Management Software for Remote Viewing, Playback & Management

Network

Network Port	1x RJ-45 Gigabit Ethernet Port
Protocols	Manual, ADSL, DHCP, FEN
Remote Software	iRAS, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	4 x RCA / 1 x RCA, 1 x HDMI
Alarm In / Out/ Reset	16 / 1/ 1
Serial Interface	RS232, RS485
ATM, POS	16 Channels
External Interface	2 x USB 2.0

Security

Video Authentication	Chained Fingerprint Encryption
Access Rights	64 Groups, 256 users

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

Dimensions (W x H x D)	300 x 62 x 231 mm
Weight	2.3kg
Approvals	KC, FCC, CE,PSE

Power

Power Source	12V, 5A Adapter
Power Consumption	Max. 60 watts

Available with 4 CH

RE4DVR-AS

4 Channel ATM Digital Video Recorder

System

Operating System	Embedded Linux
Storage	Internal: 2x SATAII HDDs
Data Export	USB HDD, USB Flash Drive
Firmware Upgrade	USB, Remote S/W

Monitoring

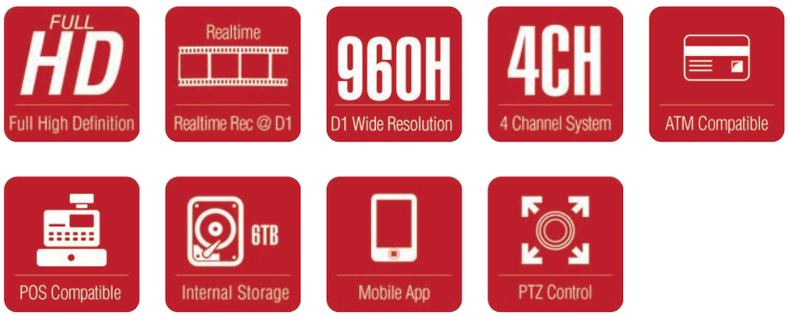
Video Inputs	4 x BNC (1.0 Vp-p, 75ohms)
Video Ouputs	1 HDMI, 1 VGA, 1 BNC (SPOT)
Display Rate	NTSC: 120ips @ 1920 x 1080 PAL: 100ips @ 1920 x 1080
Display Functions	Sequence, D. Zoom (x2, x3, x4), Freeze, Covert Camera, Spot Monitor, Color Control

Recording and Playback

Video Compression	H.264
Recording Rate	NTSC: 960 D1/720 D1: 84/120ips PAL: 960 D1/720 D1: 70/100ips
Playback Rate	NTSC: 960 D1/720 D1:80/120ips PAL: 960 D1/720 D1: 67/100ips
Recording Mode	Time-Lapse, Event, Pre-Event, Post Event, Text-In, Panic
Search Mode	Date/Time, Record Table, Calendar, Event, Motion, Museum, Text-In

Events

Recording Events	Motion Detection, Video Loss, Alarm-in, Text-in (ATM/POS)
Pre/Post-Event Recording	30 / 30 min
Event Action	Email, Notifying Remote S/W, Move PTZ, Spot, Callback



KEY FEATURES

- 4 Channel Linux Based DVR .
- Real-time Recording @ D1 for all Channels
- Perfect Fit for ATM with half Rack size
- ATM / POS Interface (Diebold Compatible)
- Up to 2 x SATA HDDs Internally

Network

Network Port	1x RJ-45 Gigabit Ethernet Port
Protocols	Manual, ADSL, DHCP, DVRNS
Remote Software	iRAS, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	4 / 1
Alarm In / Out/ Reset	4 / 1 / 1
Serial Interface	RS232, RS485
ATM, POS	4 Channels
External Interface	2 x USB 2.0

Security

Video Authentication	Chained Fingerprint Encryption
Access Rights	64 Groups, 256 users

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

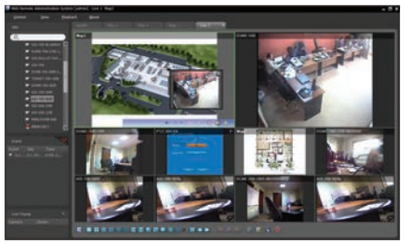
Dimensions (W x H x D)	220 x 88 x 297(mm)
Weight	3.4kg
Approvals	FCC, CE, KCC

Power

Power Source	AC 100-240 V, 50/60Hz
Power Consumption	Max. 50 watts

VMS – Video Management Software

Remote Software for IP Cameras and DVRs



CMS Central Management System | Central Event Management | PTZ Control | Multi Tab | MAP

KEY FEATURES

- Remote Software for DVRs and IP cameras
- Devices Management, Live Monitoring, Playback and HDD Player
- Map integration and alarm notification
- High security with different authorities and access rights

User Interface

Control Panels	Live, Play, Map, Event, Health, Status, Report
Panels on Multi Monitor	Yes, Floating Panels
Max number of Panels	Total 13: 4 for each [Live, Play], 2 for MAP (max 10), 1 for each [Report, Health, Status]
Screen Format	18 for Normal and 14 for Wide
Device Health Monitoring	Yes, All devices
Langauge policy	Selectable

Monitoring

Access Device	DVRs, IP Cameras (Model Dependant)
Max number of IP cameras (watch)	336; live tab: 256 / live popup: 64 / map instant viewer: 16
Max number of DVR (watch)	336; live tab: 256 / live popup: 64 / map instant viewer: 16
Max number of DVR (Search)	128 cameras; 4 connection channels
Max number of device registration	1024
Max number of Users	Unlimited
Authority	336; live tab: 256 / live popup: 64 / map instant viewer: 16
Supported OS	MS Windows XP or higher (Windows 7 and windows 8)

Device Management

Automatic Device Scan	Yes
Pre-defined Layouts	Yes, Pre-defined Layout Sequences
Sequence	Pre-defined Layout Sequences, Pre-defined Camera Sequences
User Favorite Layouts	Yes
Device Upgrade/ Setup	Yes
Device Batch Upgrade / Setup	Yes; multiple access

HDD Player

HDP	Yes
Storage auto detect	Yes
Multiple access	Yes

Remote Live

Mega-pixel video buffering	Yes; IP cameras; up to 4 cameras per live screen
Interactive resolution control	Yes; supported device only
Dynamic multi-stream control	Yes; supported device only
Hotspot	Yes
PTZ control	Yes
Event Spot	Yes
Color control	brightness, contrast, saturation, hue
Image processing	Blur,sharpen, Eualize, Interpolation
Zoom control	Yes; dynamic zoom
Two-way audio	Yes
Alarm Out control	Yes
Multi-Stream control	Yes
Instant recording playback	Yes
Instant recording	Yes; panic recording; up to 64GB
Audio broadcasting	Yes; supported device only
Multi-audio listening	Yes; supported device only
Save as image	bmp, jpg, png
Print image	Yes
Event monitoring	Yes; all devices; option
Callback event monitoring	Yes; all devices
Event alert camera bar	Yes
Event sound	Yes
Text-In overlay	Yes

Map Control

Position	live, map tab
Max number of control	96 (= 16 per one tab x (4 live tab + 2 map tab))
Map event spot	Yes
Zoom control	Yes
History Management	Yes
Included in Save As Image	Yes
Instant Viewer	16 cameras

Remote Playback

Search Modes	Time-lapse, Event, Text-In, Archived data, Text-In overlay, Motion/Object, Still image search
Time-Lapse, Event, Text-In	Yes
Archived data search	Yes
Zoom control	Yes; dynamic zoom
Color control	Brightness, contrast, saturation, hue
Image processing	Blur, sharpen, equalize, high-boost, edge detection
Data export	avi, bmp, jpg, png, minibank/ clip player
AVI export codec	MPEG4, MJPEG, flv, swf
Print image	Yes
Text-In overlay	Yes
Audio play	Yes
Time-lapse search	Yes
Motion/Object search	Yes; multiple camera
A-B save as video	Yes
Jump step playback	Yes; 1frame, 1, 5, 10, 15, 30, 60 min
Snapshot on motion	Yes
Still image search	Yes
Event on play	Yes

Accessories

IR Illuminators solution for dark wide areas

- covers up to 120m in complete dark areas
- IP67 Weather proof Rating

Housings & Brackets Multiple Purposes Options

- Weather proof with FAN, Heater, PoE ..etc
- available all mounting options: wall, ceiling, parapet, etc...

Lenses Zoom & Varifocal lenses

- Autofocus zoom lenses up to 200x Zoom
- Megapixel & standard Varifocal lenses to suit the scenes

Power Supplies and Installation Accessories for IP & Analog

- Single and multiple cameras power supplies (12VDC, 24VAC)
- Easily mountable and Weatherproof Housing

LED236HD

23.6” Full HD Wide LED Monitor

KEY FEATURES

- 23.6” Wide LED Monitor
- HDMI, VGA and DVI-D inputs
- Desktop stand included
- Available with 18.5” size LED185HD

Panel

LCD type	TFT - LCD
Size	23.547" diagonal
Resolution	1920 x 1080 pixels
Pixel pitch	0.2715 (H) x 0.2715 (V)
Active area	521.28 (H) x 293.22 (V)
Aspect Ratio	16:9

Display

Peak Brightness	300 cd/m^2(Typical)
Contrast Ratio	1000 : 1 (Typ)
Number of color	16.7M
Response time	5 ms (Tr + Tf)(Typ)
Back-light	WLED
Viewing Angle	85^o / 85^o / 80^o / 80^o

Interface

Analog Input (VGA)	D-Sub 15 Pin
Digital Input (DVI-D)	DVI-D 24 Pin(Single Link)
Digital Input (HDMI)	V1.3
PC Audio In (Optional)	3.5 ø Mini Jack
Headphone (Optional)	3.5 ø Mini Jack
Sound Output (Optional)	2 Watts x 2

Features

Support HDCP	Yes, High-Bandwidth Digital Content Protection
Aspect Ratio	Full / 4:3 / Over Screen
Tilt Angle	0°± 2° ~ 20°± 2° Degree

Power

Power Source	100V ~ 240V, 50/60Hz
Power Saving	Sleeping Mode, < 0.5W

REM19-2P

19” Full HD LCD Monitor

Panel

LCD panel	19” TFT LCD Panel
Pixel Format	1280 H x 1024 V
PixelPitch	0.264 x 0.264 mm
Color Depth	8 Bit / 16,700,000 Colors

Interface

Video Input	19pin HDMI (Digital), 4xBNC(In/Out) , S-video: 1x4Pin Mini Din (In), PC: 1xAnalog RGB 15pin, D-sub
Audio(In/Out)	2 x Stereo(In)/2 x 0.5W(Out)

Video Wall

Multi Vision & Purpose Videowall

KEY FEATURES

- Full HD 1080p Monitoring, Security & multi applications
- Configurable for up to 10 x 10 Monitors
- Wide range of monitors sizes (40" ~ 82")
- Extremely easy to use display control options

Display

Screen Size Options	40", 46", 55", 70" or 82"
Video Ouputs	1920 x 1080 @ 60Hz
Aspect Ratio	16:9
Viewing Angle	178° / 178°
Display Color	16.7 Million (8bit)
Video System	NTSC / PAL

Interface

Video In / Out (BNC Type)	2 / 2
HDMI In / Out 1 / 1	1 /1
VGA In / Out (15Pin D-Sub)	1 /1
DVI-D In / Out	1 /1
RS232 In / Out	1 /1
PC Stereo In	1
Audio In (RCA Type)	3 (L + R) * check for specific model

ETC

Bezel Size	Narrow: 5.5mm Wide: 66mm
Video Wall Mount	WFS, WES, WSD
Mount	VESA™ Standards

Customized Monitors for all Applications and Requirements from 2" to 82"

CCTV Monitors & Testers

Mobile Applications

Broadcast Applications

Sunlight Readable

REJCPTZ-1P

Multi function keyboard controller

KEY FEATURES

- Keyboard controller for PTZ, DVRs
- Proffesional Joystick with zoom capability
- Multiple protocols supported

Keyboard

LCD	16x 2 Character LCD
Joystick	Yes, 3-Axis
Jog & Shuttle	Yes, DVR Control
Multi-User	4 (1 Master/ 3 Slave)
PTZ Control	Pan/ Tilt/ Zoom: Joystick Zoom/ Focus/ Iris: Keys
Supported porducts	PTZ Domes & Cams: Up to 256 DVRs: Up to 99 Multiplexers

General

Communication	2x RS485, RS232
Rec. File Format	Video: AVI (H.264) Audio: HD-SDI & HDMI (Support 48KHz,16bit)
Battery	Li-ion Polymer Battery, 5000mAh/7.4V (Built-in)
Audio Out	Speaker, phone jack
Dimensions (mm)	405(W) x 107(H) x 170D)

Rapport-10HD Pro

Multi-Format Input Monitor

KEY FEATURES

- Built-in 10.05” High resolution LCD
- Multi Format Video Input (HDMI, HD-SDI, VGA, BNC) with optional recording
- Built-in chargable battery operating 4~5h

Display

LCD	10.05”, 1280x800 RGB.
HD-SDI	1080p/ 1080i/ 720p
BNC	NTSC / PAL
HDMI	1080p/ 1080i/ 720p/ 480i, 576p/ 576i, 576p
VGA	1280x1024, 1280x960, 1152x864, 1024x768, 800x600

General

Storage	SD/SDHC
Rec. File Format	Video: AVI (H.264) Audio: HD-SDI & HDMI (Support 48KHz,16bit)
Battery	Li-ion Polymer Battery, 5000mAh/7.4V (Built-in)
Audio Out	Speaker, phone jack
Size (mm)	266(W) x 176(H) x 38(D)

Special Applications

Thermal Camera | 200m IR Range | 20x Zoom | FULL HD Full High Definition

Thermal Rugged Camera including HD-SDI PTZ

- Covers up to 120m in complete dark areas
- IP67 Weather proof Rating

Explosion proof | 35x zoom | PTZ Control | FULL HD Full High Definition

Explosion Proof Fixed and PTZ cameras

- Weather proof with FAN and/or Heater
- Available all mounting options: wall, ceiling, parapet, etc...

ATM Compatible | POS Compatible | 4CH 4 Channel System | 960H D1 Wide Resolution

ATM & Point of Sale

- Maniature and pinhole cameras for ATM
- Text-in function in DVR half-Rack size to fit inside cabinet

Vibration Resistance | Realtime Realtime Rec @ D1 | SD Card Storage | MAP

Mobile and Tracking Solution

- Built-in 3G connectivity and GPS for tracking purposes
- Vibration resistant cameras and DVR

Revo Elite, born in the USA with an extensive product range designed and built for the high-end enterprise level applications; complying with the demanding integration requirements of such applications, meeting the stringent technical specifications within the industry.

Revo MENA, operating out of DHS, Jebel Ali, Dubai, UAE, provides on-going technical and design support with local stock availability for prompt shipping throughout the Middle East & North Africa (MENA).

Revo Team, with vast and rich experience in the Americas & MENA, along with its worldwide network of partners enables Revo Elite to be an industry leader with special emphasis on the needs of System Integrators.

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